

b) a layer comprising [abrasive] superabrasive grains, the layer being chemically bonded to at least a portion of the surface of each tooth to define a plurality of cutting levels parallel to the substrate surface, and each cutting level on each tooth being oriented such that a portion of each cutting level overlaps at least a portion of each other cutting level of the tooth; and

c) an initial uppermost cutting level and successive uppermost cutting levels among the plurality of cutting levels of each tooth;

whereby after the initial uppermost cutting level has been worn away by cutting a workpiece, each successive uppermost cutting level of the tooth presents to the workpiece a ring of superabrasive grain around the contoured surface of the tooth, and substantially all superabrasive grain within the ring simultaneously engages in cutting. [wherein the grains have a relative strength index of at least one minute, as measured by the FEPA standard for measuring the relative strength of saw diamonds.]

28.(once amended) An abrasive cutting tool comprising:

a) a monolithic substrate having a substrate surface [having] with a plurality of teeth extending therefrom, each tooth having a contoured surface, [and]

b) a layer comprising abrasive grains, the layer being chemically bonded to at least a portion of the surface of each tooth to define a plurality of cutting levels parallel to the substrate surface, and each cutting level on each tooth being oriented such that a portion of each cutting level overlaps at least a portion of each other cutting level of the tooth; and

c) an initial uppermost cutting level and successive uppermost cutting levels among the plurality of cutting levels of each tooth;

wherein the substrate surface has an intended direction of movement, wherein at least a portion of each tooth has a face which is inclined at a negative angle with respect to the intended direction of

movement, and at least a portion of the abrasive grains are bonded to the face having the negative angle of inclination[.], and whereby after the initial uppermost cutting level has been worn away by cutting a workpiece, each successive uppermost cutting level of the tooth presents to the workpiece a ring of superabrasive grain around the contoured surface of the tooth, and substantially all superabrasive grain within the ring simultaneously engages in cutting.

Please add the following new claims:

33. The abrasive cutting tool of claim 1, wherein the tool is selected from the group consisting of saw blades, core drills and abrasive wheels.

34. The abrasive cutting tool of claim 28, wherein the tool is selected from the group consisting of saw blades, core drills and abrasive wheels.

In the Specification:

On page 8, line 4, after "workpiece" please delete "27".

On page 8, line 12, second occurrence, please delete "the" and substitute in place thereof -- they--.

On page 9, line 23, please delete "27" and substitute in place thereof --W--.

On page 12, line 24 please delete "substrate" and substitute in place thereof --tooth--.

On page 13, line 24, please delete "20".

On page 14, line 7, please add --3-- after the word "grains". On page 14, line 8, please delete "3" after the word "level, and add --1-- after the word "grains". On page 14, line 9, after the word "level", please delete "1". On page 14, line 10, after the word "grains", please add --1--.